

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

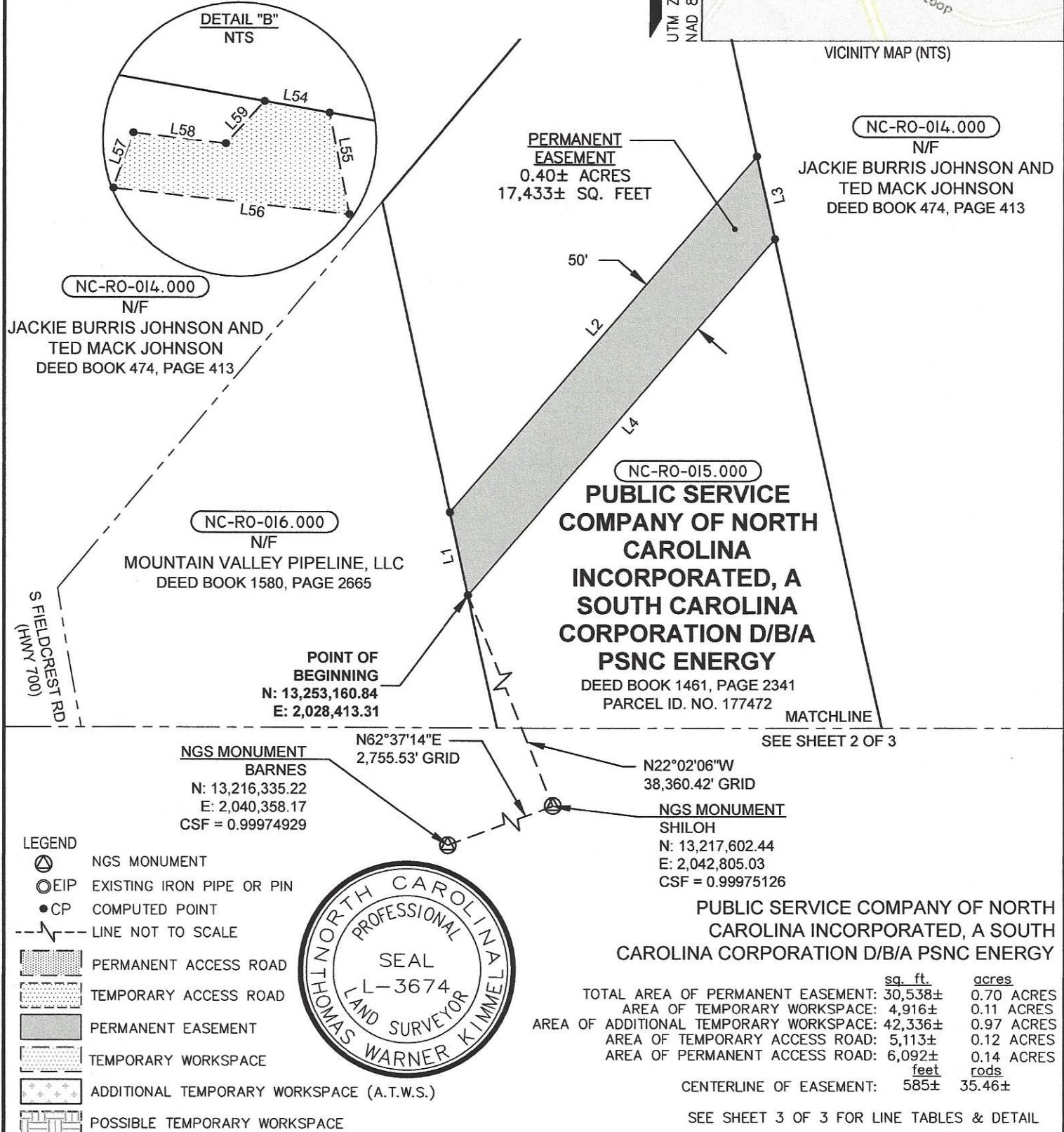
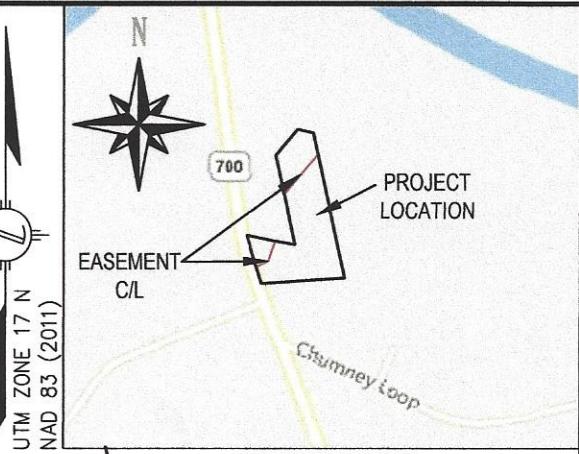
Exhibit 50 to Complaint

Map of MVP Parcel No. NC-RO-015.000

EXHIBIT A

NOTES

- ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
- AREAS DETERMINED BY COORDINATE METHOD.
- AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
- RECORD REFERENCES: DEED BOOK 1461, PAGE 2341
- PARCEL ID: 177472
- PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
- THIS SURVEY IS REFERENCED TO THE UTM ZONE 17 N NAD 83 (2011).
- ALL CORNERS ARE AS NOTED.
- THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
- TEMPORARY EASEMENT TO BE ACQUIRED.



I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 1461, page 2341); that the ratio of precision as calculated is 1:10,000+; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 24th day of AUGUST, 2019.



THOMAS WARNER KIMMEL, PLS

L-3674

LAND OWNER INITIALS: _____

DATE: _____

TRC ENGINEERS, INC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA



Pipeline Easement in Property of
Public Service Company of North Carolina Incorporated,
A South Carolina Corporation D/B/A PSNC Energy
NC-RO-015.000
Deed Book 1461, Page 2341

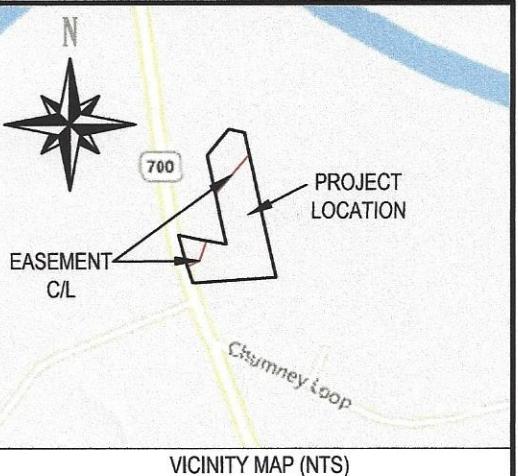
NC-RO-015.000

Drawn By:	Chkd By:	Appd By:	TRC Proj. No.:	Scale:
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Drawn Date: 10/27/18		DD	TWK	Sheet: 1 OF 3 MVP Proj. No.
100 50 0 100				
GRAPHIC SCALE IN FEET				
REVISIONS				
C 3/20/19			REVISED OWNER	
D 6/20/19			REVISED WORKSPACES	
1 8/17/20	DD		GENERAL REVISIONS	
No. Date	Rev By		TWK	
			Description	
			Checked	

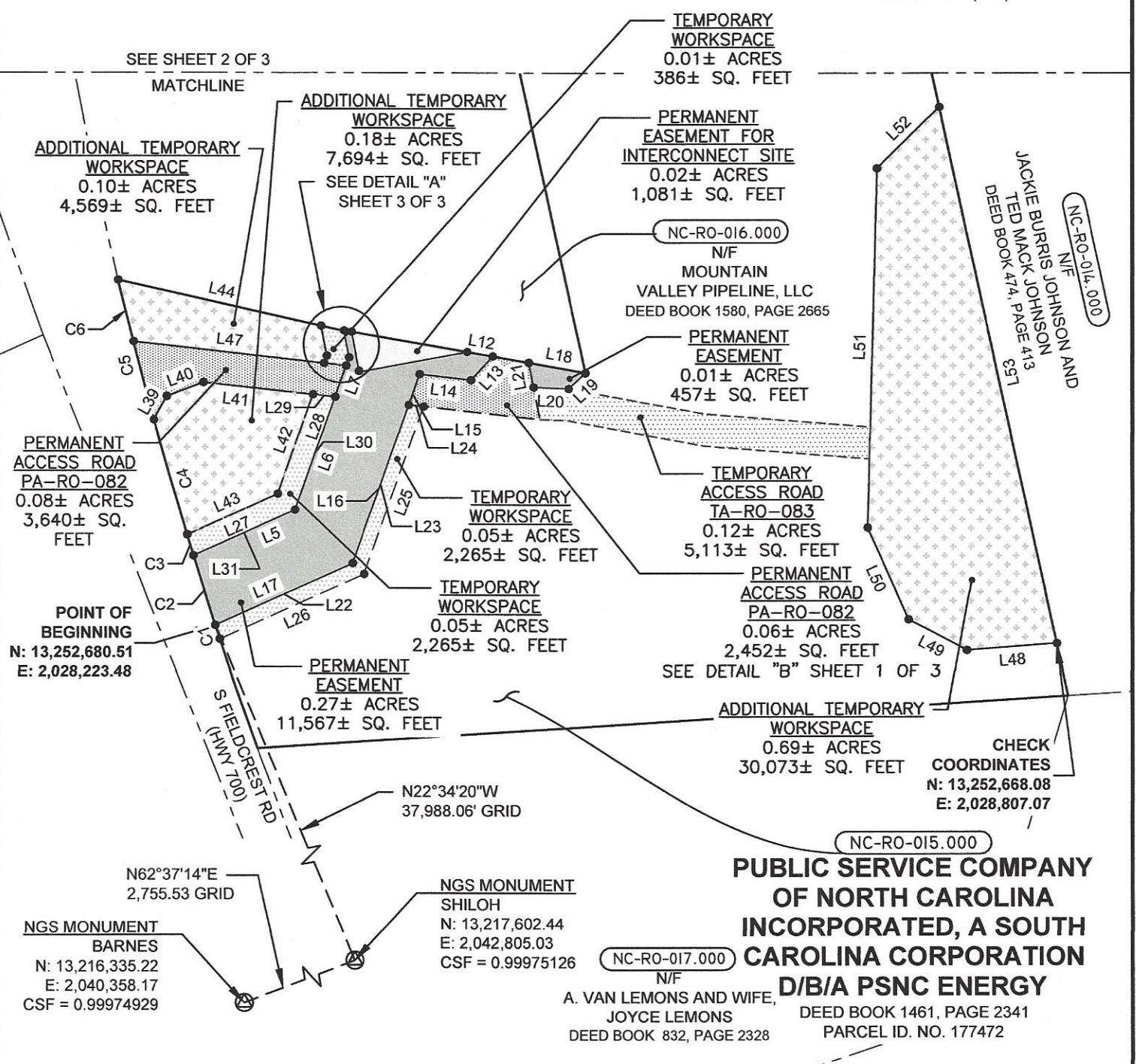
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- TEMPORARY EASEMENT TO BE ACQUIRED.



VICINITY MAP (NTS)



LEGEND

- Ⓐ NGS MONUMENT
- OEIP EXISTING IRON PIPE OR PIN
- CP COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE

SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.



SEE SHEET 3 OF 3 FOR LINE TABLES & DETAIL

EASEMENT SURVEY
FOR MVP SOUTHGATE
TOWNSHIP OF WENTWORTH
ROCKINGHAM COUNTY, NORTH CAROLINA

Mountain Valley
PIPELINE LLC

Pipeline Easement in Property of
Public Service Company of North Carolina Incorporated,
A South Carolina Corporation D/B/A PSNC Energy
NC-RO-015.000
Deed Book 1461, Page 2341

Drawn By:	Chkd By:	Appd By:	TRC Proj. No.:	Scale:
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10/27/18	DD	TWK	2 OF 3	
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				GRAPHIC SCALE IN FEET
				REVISIONS
C 3/20/19			REVISED OWNER	
D 6/20/19			REVISED WORKSPACES	
1 8/17/20	DD		GENERAL REVISIONS	TWK
No. Date	Rev By		Description	Checked

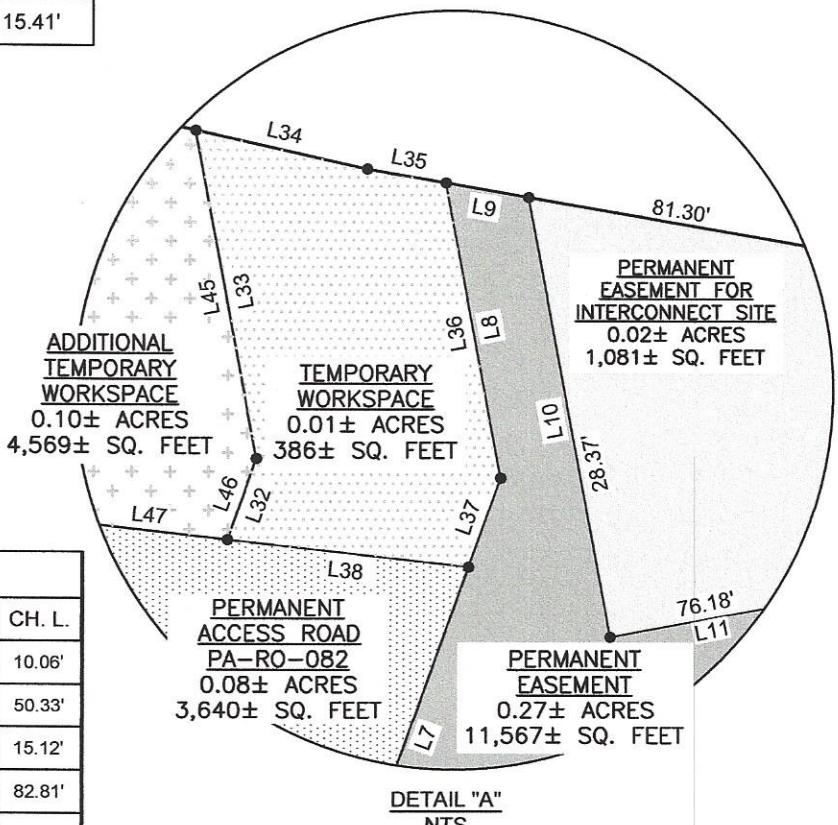
EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N12°21'50"W	62.50'
L2	N40°45'56"E	348.65'
L3	S12°22'40"E	62.49'
L4	S40°45'56"W	348.67'
L5	N65°51'57"E	77.11'
L6	N19°39'25"E	77.55'
L7	N19°39'21"E	34.25'
L8	N10°36'26"W	19.02'
L9	S80°09'39"E	5.34'
L10	S10°36'26"E	28.37'
L11	N79°24'57"E	76.18'
L12	S80°09'39"E	18.13'
L13	S42°39'32"W	22.13'
L14	N83°32'33"W	35.95'
L15	S19°39'25"W	28.87'
L16	S19°39'25"W	109.98'
L17	S65°51'57"W	104.22'
L18	S80°09'39"E	39.92'
L19	S46°59'31"W	15.96'
L20	N87°46'54"W	24.38'
L21	N11°08'22"W	17.09'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L22	N65°51'57"E	104.22'
L23	N19°39'25"E	116.32'
L24	S83°47'38"E	10.28'
L25	S19°39'25"W	122.98'
L26	S65°51'57"W	109.54'
L27	N65°51'57"E	68.82'
L28	N19°39'24"E	73.04'
L29	S83°47'37"E	15.42'
L30	S19°39'25"W	83.03'
L31	S65°51'57"W	77.11'
L32	N19°39'24"E	5.47'
L33	N10°36'26"W	21.15'
L34	S77°18'05"E	11.16'
L35	S80°09'37"E	5.07'
L36	S10°36'27"E	19.02'
L37	S19°39'26"W	6.01'
L38	N83°32'33"W	15.41'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L39	N28°56'27"E	18.35'
L40	N69°23'24"E	27.16'
L41	S83°47'38"E	76.46'
L42	S19°39'24"W	73.04'
L43	S65°51'57"W	68.82'
L44	S77°18'05"E	144.32'
L45	S10°36'26"E	21.15'
L46	S19°39'24"W	5.47'
L47	N83°32'33"W	133.09'
L48	S85°39'51"W	62.58'
L49	N62°08'03"W	45.55'
L50	N24°13'57"W	69.43'
L51	N01°30'49"E	248.67'
L52	N45°37'57"E	60.48'
L53	S12°22'40"E	379.57'

PERMANENT ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L54	S80°09'39"E	25.39'
L55	S11°08'23"E	39.75'
L56	N83°47'38"W	91.53'
L57	N19°39'24"E	22.53'
L58	S83°32'33"E	35.95'
L59	N42°39'32"E	22.13'



CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	10.06'	3,186.33'	000°10'51"	N18°05'21"W	10.06'
C2	50.33'	3,186.33'	000°54'18"	N17°32'47"W	50.33'
C3	15.12'	3,186.33'	000°16'19"	N16°57'28"W	15.12'
C4	82.82'	3,186.33'	001°29'21"	N16°04'38"W	82.81'
C5	55.67'	3,186.33'	001°00'04"	N14°49'56"W	55.67'
C6	44.00'	3,186.33'	000°47'28"	N13°56'10"W	44.00'

LEGEND

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- Ⓑ EIP EXISTING IRON PIPE OR PIN
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EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA					
 PIPELINE EASEMENT IN PROPERTY OF PUBLIC SERVICE COMPANY OF NORTH CAROLINA INCORPORATED, A SOUTH CAROLINA CORPORATION D/B/A PSNC ENERGY NC-RO-015,000 DEED BOOK 1461, PAGE 2341					
NC-RO-015,000					
Drawn By:	Chk'd By:	Appd By:	TRC Proj. No.:	Scale:	NTS
JCL			300423		
Drawn Date:		DD		Sheet:	MVP Proj. No.
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REVISIONS					
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D	6/20/19		REVISED WORKSPACES		
1	8/17/20	DD	GENERAL REVISIONS	TWK	
No.	Date	Rev By	Description	Checked	